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	and M. A. Smirnov; Te	ch. Ed.: 5. H	. Lopo. av			
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Techniques for the Measurement (Cont.) SOV	7/6333	
Pigoreva, N. S., Ye. G. Solodovnikova, and V. V. Fokin. Prepartion of Samples for Measurement of the Activity of Certain Compounds Labeled With C16 and H3 Isotopes	'a- 67	
Golutvina, M. H., and M. A. L'vova. Preparation of Specimens for Measurement of the Activity From β-Emission	72	
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L. 48813=55 EMT(m)/EMA(h)  ACCESSION NR: AP5008339 S/0115/65/000/001/0048/0050  AUTHOR: Barycheva, L. Ya.; Denisikov, A. I.; Dorofeyev, G. A.; L'vova, M. A.; Bochkarev, V. V.; Garapov, E. F.; Gryaznov, Yu. N.  TITLE: Comparison of various methods of activity measurements by beta and gamma radiations  SOURCE: Izmeritel naya tekhnika, no. 1, 0965, 48-50  TOPIC TAGS: radioactivity, radioactivity measurement, radioactive preparation for the methods and accuracies of activity measure—  ABSTRACT: For evaluating the methods and accuracies of activity measure—  ABSTRACT: For evaluating the methods and accuracies of activity measure—	. 1	
ABSTRACT: For evaluating the methods and accuracies of activity measurements, a number of Coso and Fess preparations were tested in the laboratories of ments, a number of Coso and Fess preparations were used: (1) Beta-GK AE SSSR and Health Ministry SSSR. These methods were used: (1) Beta-GK AE SSSR and Health Ministry SSSR. These methods were used: (2) Gamma-gamma gamma coincidence (stilbene detector and Nul(Tl) crystal): (2) Gamma-gamma gamma coincidence (stilbene detector and Nul(Tl) crystal): (2) Gamma-gamma gamma coincidence: (3) Two 4 p-beta proportional flow counter; (4) End-window coincidence: (3) Two 4 p-beta proportional flow counter; (4) End-window counter; (5) Ionization chambers. The absolute measurements by methods 1, 2, counter; (5) Ionization chambers.		

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L'YOVA, M.A.; BOCHKAREV, V.V. (Moskva)

Imitators of short-living iodine isotopes, Med. rad, 10 no.9:90-91
S '65.

(MIRA 18:10)

# L'VOVA, M.G. (L'vov)

Fascioliasis. Vrach.delo no.11:123-124 N \*62.

(MIRA 16:2)

1. Fakul'tetskaya klinika sanitarno-gigiyenicheskogo i pediatrioheskogo fakuliteta Livovskogo meditsinskogo instituta (zav. dotsent S.M. Martynov) na baze terapevticheskogo otdeleniya 5-y klinicheskoy bol'nitsy.

(LIVER FLUKE)

L'VOVA, M.N., agronom; MILICH, M.S., agronom

Interplanting alfalfa with winter rye. Zemledelie 7 no.1:77

[MIRA 12:1]

Ja '59.

1. Kolkhoz "13-letiye Oktyabrya" (for L'vova). 2. Agrokhimlaboratoriya Komarovskoy remontno-tekhnicheskoy stantsii (for Milich).

(Alfalfa) (Rye)

L'VOVA, M.V.

Underground waters in the southern Mangyshlak Peninsula. Trudy VNIGRI no.218:169-184 63. (MIRA 17:3)

PETROV, D.A., prof., red.; KOLACHEV, B.A., kand. tekhn. nauk

[translator]; L'VOVA, N.M., red.; PRIDANTSEVA, S.V., tekhn. red.

[New data on the production of single crystals of semiconductors] Novoe v poluchenii monokristallov poluprovodnikov; sbornik statei. Moskva, Izd-vo inostr. litry, 1962. 259 p. Translated from the Englich.

(MIRA 16:11)

(Crystals--Growth) (Semiconductors)

BUNCHUK, V.A., redaktor; RATUSH, P.P., redaktor; Livova M.S., vedushchiy redaktor; SHIKIN, S.T., tekhnicheskiy redaktor

[Tank farms and petroleum pipelines (design, construction and exploitation); according to reports at the Conference for the improvement of the designing, construction and exploitation of tank farms and petroleum product pipelines] Neftebazy i nefteprovody (proektirovanie, stroitel stvo i ekspluatatsiia); po materialam konferentsii po uluchshceniiu proektirovaniia, stroitel stva i ekspluatatsii neftebaz i nefteproduktoprovodov. Moskva, Gos. nauchnotekhn. izd-vo neftianoi i gorno-toplovnoi lit-ry, 1956. 197 p. (MLRA 9:10)

1. Nauchno-tekhnicheskoye obshchestvo neftyanoy promyshlennosti.
(Petroleum--Pipelines)
(Petroleum--Storage)

L'VOVA, N.; KISTANOVA, L.

For you, automobilists. Za rul. 18 no.5:22 My '60.

(MIRA 14:3)

1. Starshiy inspektor Glavkurorttorga Ministerstva torgovli
RSFSR (for L'vova).

(Tourist camps, hostels, etc.)

# L'VOVA, N.A. Schistosity of the Mama mica-bearing formation. Izv. vys. ucheb. zav.; geol. i razv. l no.4:17-31 Ap '56. (MIRA 11:12) 1.Irkutskiy gorno-metallurgicheskiy institut, Kafedra petrografii i poleznykh iskopayemykh. (Mama Valley--Mica)

L'VOYA, N.A., Gand Gool-Min Sci -- (disc)" On the character and nature of stratification of the brack mica-bearing attratum (pre-Combrian)." Irlantsk, 1979. 26 pp (Min of Migher Mouse tion USSR. Irlantsk Mining Metallurgical Inst. Chair of Winer 1 Respectas and Petrography), 160 copies (W., 30-59, 119)

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Ways of studying the primary sedimentation features of a Pre-Cambrian Mama formation. Izv.vys.ucheb.zav.; geol.i razv. 4 no.2:20-35 F '61. (MIRA 14:6)

1. Irkutskiy politekhnicheskiy institut.
(Geology, Stratigraphic)

KCLACHEV. B.A., kand.tekhn.nauk [translator]; FETROV, D.A., prof., red.;
L!YOVA, N.M., red.; PRIDANTSEVA, S.V., tekhn.red.

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L'VOVA, N. L.

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SO: Knizhnava Letopis' No. 50. 10 December 1955. Moscow.

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"Problem of the Preservation of Potatoes at Temperatures Close to GOC." Cand Tech Sci, Moscow Inst of National Economy imeni G. V. Plekhanov, Min Trade USSR, Leningrad, 1954. (KL, No 4, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions, (13) SO: Sum. No. 598, 29 Jul 55

PLYUSHCHEV, V.Ye., kandidat khimicheskikhnauk, redaktor; L'VOVA, N.M., redaktor; IOVIEVA, N.A., tekhnicheskiy redaktor

[Gesium; a collection of translations (from foreign periodical literature)] TSezii; sbornik perevodov (iz inostrannoi periodicheskoi literatury). Moskva, Izd-vo inostrannoi lit-ry, 1956. 134 p.

(Gesium) (MIRA 10:1)

L'VOVA, N.M.

YENDI-YANOV, V.S., red.; YEVSTYUKHIN, A.I., doktor tekhn.nauk, red.;
L'VOVA, H.M., red.; EBLEVA, M.A., tekhn.red.

[Purification of metals; a collection of translations] Metody
poluchenita chistykh metallov; sbornik perevodov. Moskva, Izd-vo
inostr.lit-ry. 1957. 384 p.

(MIRA 11:1)

1. Chlen-korrespondent AN SSSR (for Yemel'yanov).

(Metallurgy)

KOMISSAROVA, L.N., kand.khim.nauk, red.; PLYUSHCHEVA, V.Ye., kand.khim.
nauk, red.; L'VOVA, N.M., red.; SHEMANINA, V.N., red.; SHIRNOVA,
N.I., tekhn.red.

[Rare earth metals; a collection of articles. Translations.]

"Redkozemel'nye metally; sbornik statei. [Perevody.] Moskva,
Izd-vo inostr.lit-ry, 1957. 419 p. (Redkie metally 57 La

(138,9) - 71 Lu (175,0))

(Rare earth metals)

(Rare earth metals)

PLYUSHCHEY, V.Yo., kand.khim.nauk, red.; L'YOYA, N.M., red.; KLIMENKO, S.Y., tekhn.rad.

[Lithium; collection of translations] Litii; sbornik perevodov. Moskva, Isd-vo inostr.lit-ry, 1959. 331 p. (MIRA 13:8) (Lithium)

KOLCHIN, O.P., kend.tekhn.nauk, red.; L'VOVA, N.M., red.; DZHATIYEVA, F.Kh., tekhn.red.

[Niobium and tantalum; collected papers] Niobii i tantal; sbornik statei. Pod red. O.P.Konchina. Moskva. Izd-vo inostr. lit-ry, 1960. 485 p. (MIRA 14:4) (Niobium)

L' VOVA, N.S.

Formation of fogr in the Kirovograd region. Trudy Ukr NIGMI no.10:48-52 '59. (MIRA 13:5)

1. Aviameteorologicheskaya stantsiya v Grazhdanskom vozdushnom flote, Kirovograd.

(Kirovograd region--Fog)

L'VOVA, N.V.; ARTEMOVA, T.V.

Diagnosis of gastrointestinal diseases in infants, according to consultation data. Zdrav. Kazakh. 23 no.2:57-61'63. (MIRA 16:10)

1. Iz kafedry gospital'noy padiatrii (zav. - prof. A.I.
Avenirova) Kazakhskogo meditsinskogo instituta.
(ALIMENTARY CANAL—DISEASES)
(INFANTS—DISEASES)

RAYEV, B.V.; BAKALDINA, N.I.; L'VOYA, N.Ye.; TRET'YAKOV, A.A.

Review of three criteria in Borbov's complex hemotuberculin method and considerations on possible errors in determination of erythrocytes sedimentation time and in formula of leukocytes. Probl. tuberk.. Moskva no. 5:51 Sept-Oct 1952. (CLML 23:5)

1. Docent. 2. Of the Department of Faculty Therapy (Head--Prof. A. V. Selezney) of Molotov Medical Institute (Director -- Docent A. N. Kushney) and of Molotov Municipal Anti-Tuberculosis Dispensary (Head Physician -- M. V. Tarasova).

VLADIMIROV, Yu.A.; L'VOVA, O.F.

Extremely weak luminescence and oxidative phosphorylation in mitochondria. Biofizika 9 no.42506-507 '64. (MIRA 18:3)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

GASIK, Mikhail Ivanovich, kand. tekhn. nauk, dots.; L'VOVA, Ol'ga Konstantinovna, inzh.; RAGULINA, Raisa Ivanovna, inzh.; ALIVOTVODICH, Miro Khristoforovich, inzh.; KHITRIK, 5.I., prof., doktor tekhn. nauk, nauchn. red.

[Manufacture and operation of continuously self-annealing electrodes and anodes] Proizvodstvo i ekspluatatsiia nepreryvnykh samoobzhigaiushchikhsia elektrodov i anodov. Moskva, Metallurgiia, 1965. 254 p. (MIRA 18:5)

USSR/Cultivated Plants - Grains:

11-4

Abs Jour

: Ref Zhur - Biol., No 9, 1958, 39270

Author

: L'vova, P.F.

Inst

: Scientific Research Institute of Agriculture of the

Central Chernozem Belt.

Title

: New Varieties of Leguminous Grain Crops.

Orig Pub

: Byul. nauchn.-tekhn. inform. H.-i. in-ta s. kh. TsChP,

1956, No 1, 34.

Abstract

: The following new varieties of leguminous grain crops are from by the Institute of Agriculture im. V.V. Doluchayev pea variety - Stephoy, early ripening variety of the summer vetch Stephoya 791 and 2 varieties of vetchling

Stephaya 21 and Stephaya 287.

Card 1/1

COUNTRY USER Cultivated Plants, drains, Loguminous Grains.

Aug. Jours: Tropical Gardalas. ya, East, 1959, 85, 1626

WORLD : Myove, P.P. Sol. Res. Irat. of Agric. of the Control Chernozen: TTU: : Blending of Been and Corn Sowing s.

okia. PUB.: Byul. nauchno-tchha. Inform. M.-f. in-to a.-it. Touatr-churnotonn. polosy, 1957, Ko.3, 19-20

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L'YOVA, P.F., kand.biol.nauk; POLESHCHUK, Yu.i.

High yields of peas in Voronezh Province. Zealedelie 7 no.4:
52-54 Ap '59.

1. Institut sel'skogo khozyayatva tsentral'no-chornozemnoy polosy imeni V.V.Dokuchayeva.

(Voronezh Province--Peas)

BAYULA, A.G.; YAMPOL'SKAYA, M.Ya.; L'VOVA, R.T.

Flotation of fluorite from silicate ores of the Far Fast. Izv. Sib.otd.AN SSSR no.2:38-45 60. (MIRA 13:6)

1. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR. (Fluorite) (Flotation)

GEL'PERIN, E.I.; AYNSHTEYN, V.G.; GEL'PERIN, E.N.; L'VOVA, S.D.

Hydrodynamic characteristics of the fluidization of granular materials in conical-cylindrical units. Khim.i tekh.topl.i masel 5 no.8:51-57 Ag 160. (MIRA 33:8)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V.
Lomonosova.
(Fluidization) (Granular materials)

YEVSTIGNEYEVA, R.P.; L'VOVA, S.D.; PREOBRAZHENSKIY, N.A.

Synthesis of the ethyl ester of 2,7-di-(β-diethylamincethyl)3,8-dimethyl-4,6,9-triketocapric acid. Zhur. ob. khim. 34 no.10:
3315-3317 0'64.

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni
M.V. Lomonosova.

L'VOVA, S.D.; YEVSTIGNEYEVA, R.P.; PREOBRAZHENSKIY, N.A.

Synthesis of esters of < -methyl-β-(β'-carbomethoxyethyl) levulinic acid. Zhur. org. khim. 1 no.9:1555-1559 S '65. (MIRA 18:12

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova. Submitted July 17, 1964.

L'VOVA, S.D.; YEVSTIGNEYEVA, R.P.; LAVROVA, L.N.; FILIPPOVICH, Ye.I.; PREOBRAZHENSKIY, N.A.

Claisen condensation of ∠-methyllevulinic acid esters. Zhur. org. khim. 1 no.9:1560-1563 S \*65. (MIRA 18:12)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova. Submitted July 17, 1964.

LIVOVA, S. N. and ZUYEV, M. V.

"Errors in the Measurement of Air Temperature and Humidity by Thermometers in Psychrometric Booths".

Trudy Tashkentsk, geofiz. observ., No 8, pp 94-101, 1954.

Investigation of errors in the measurement of temperature and humidity in a psychrometric booth as function of the booth's elevation, color, time of year and time of day is given. The observations were carried out in the course of 1950-1951 in various booths painted white, gray, green and black and set at elevations of 1.5 and 2.0 meters. (RZhGeol, No 9, 1955)

SO: Sum No 884, 9 Apr 1956

L 40729-65 Accession NR: AP5012400

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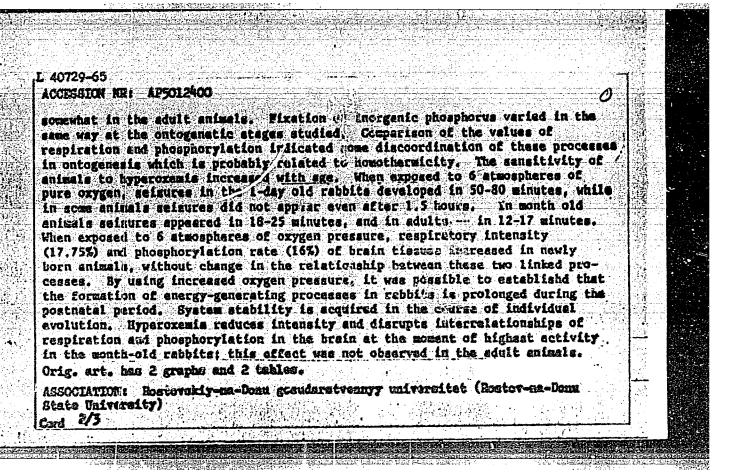
AUTHOR: Livova, S. P.

TITLE: Respiration and oxidative phosphorylation of rabbit brain at different periods of postuatel development

SOURCE: AN SSSR. Doklady, v. 157, no. 6, 1964, 1463-1465

TOPIC TAGS: biochemistry, enzyme, experiment animal, brain, respiratory system, organic synthetic process

Abstract: In the course of ontogenesis in the organism, changes occur in the activity and linkage of ensyme systems. Various metabolism-disrupting agents are used to defect regularities of development. The author used forced inhelation of oxygen under high pressure by animals as such an agent. This leads to very decided whifts in metabolism of carbohydrates and of nitrogen-containing compounds. Respiration and phosphorylation of the brain were observed in the normal state and after oxygen under 6 atmospheres pressure had acted on the animals. The experiments were carried out on rabbits of 3 ages: one-day old, one month-old, and adults (9 months). Each age group consisted of 10-14 animals. It was found that oxygen requirements in control animals increased sharply by the first month of postnatal life. Compared with these, respiration decreased



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TOPIC TAGS: oxidation, reduction, semiconductor, stannous oxide, film semiconductor, electrode, quinhydrone

SOURCE: Zavodskaya laboratoriya, v. 30, no. 10, 1964, 1196-1198

ABSTRACT: The authors studied the dependence of the potential of various specimens of film semiconductor SnO2 electrodes on the concentration ratio of the oxidation and reduction form in the reversible oxidation-reduction system  $Fe^{3+} - Fe^{2+}$ ,  $/Fe(CN_6)/^{3-} - /Fe(CN_6)/^{4-}$  and quinhydrone in buffer solution. Solutions containing  $Fe^{3+} - Fe^{2+}$  were prepared by mixing iron sulfate and ferrous ammonium sulfate (Mohr's salt) in 0.1-n  $H_2SO_4$ , thus yielding an  $Fe^{3+}$  and  $Fe^{2+}$  concentration of 0.004 moles/liter. The solution containing ferri-ferrocyanide radicals was prepared by  $Gard_{1/2}$ 

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ixing exact measures of p	potassium ferricyanide and potassium f of pH=4.00, 6.88, and 9.18. An absolu	te potassium ferri-
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ZAKHAR'YEVSKIY, M.S.; L'VCVA, T.I.; KUZNETSCVA, I.H.; KRYZHAHOVSKIY, B.P.

Behavior of SnO<sub>2</sub> semiconductor film electrodes in redcx media. Zav. lab. 30 no.10:1196-1198 '64. (MIRA 18:4)

1. Leningradskiy gosudaratvennyy universitet imeni Zhdanova.

ACC NR: AP7012439

SOURCE CODE: UR/0079/66/035/012/2048/2052

AUTHOR: L'vova, T. I.; Pendin, A. A.; Shirko, K. D.; Nikol'skiy, B. P.

ORG: Leningrad State University (Leningradskiy gosudarstvennyy universitet)

TITLE: Standard thermodynamic constants of the reduction of the (ferricenylmethyl) trimethylanmonium cation to the (ferrocenylmethyl)trimethylanmonium cation with hydrogen in an aqueous solution

SOURCE: Zhurnal obshchey khimii, v. 36, no. 12, 1966, 2048-2052

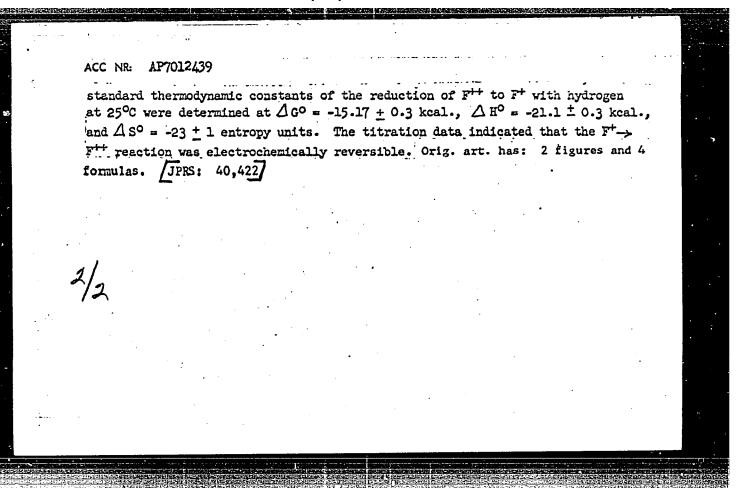
TOPIC TAGS: ferrocene, aqueous solution, hydrogen, electrochemical analysis, cation

SUB CODE: 07

(Ferrocenylmethyl)trimethylammonium perchlorate (F\*ClO<sub>14</sub>) was prepared by precipitation of an FTI solution with KClO4. On the basis of the ABSTRACT: curves of potentiometric titration of F+ClO4 with K2Cr2O7 or H2O2, the normal potential of the system F+ cation - (ferricenylmethyl)trimethylammonium cation  $F^{++}$  in an 1 N KCl solution was 0.604  $\pm$  0.001 v. The standard redox potentials of F<sup>++</sup> - F<sup>+</sup> at 15, 25, and 35° were determined from the relations between the e.m.f. of the cell Pt/F<sup>++</sup>, F<sup>+</sup>; HCl/glass electrode and the ionic strength of the solution at these temperatures. On the basis of the data obtained, the

Card 1/2

UDC: 546.171.1:541.138.2



## "APPROVED FOR RELEASE: 06/20/2000

### CIA-RDP86-00513R001031010015-9

Cand Geolog-Mineralog Sci

Dissertation: "Structure and Origin of the Coal-Bearing Formation of Okriba."
30/3/50

Moscow Order of Lenin State V imeni M. V. Lomonosov.

SO Vecheryaya Moskve

Sum 71

LEVINA, S.D.; L'VOVA, T.N.

Origin of carbonate rocks in Caradoc sediments of the Selety-Stepnyak region in northern Kazakhstan. Biul. MOIP. Otd. geol. 34 no.5:81-93 S-0 '59. (MIRA 14:6) (Kazakhstan-Rocks, Carbonate)

37203

27.2000 5/560/61/000/011/009/012 27.6320 E027/635

27.5100

Gyurdzhian, A.A.. Demin, N.N., Korneyeva, N.V., AUTHORS:

L'vova, T.S., Tutochkina, L.T., Uspenskaya, M.S.,

Fedorova, T.A.

Some aspects of metabolism in animals which have TITLE:

undergone a space flight

Iskusstvennyye sputniki Zemli. Akademiya nauk SSR. SOURCE:

Rezul'taty nauchnykh Moscow, 1961.

issledovaniy, provedennykh vo vremya poletov vtorogo i tret'yego kosmicheskikh korabley-sputnikov. 78 - 86

The authors have studied biochemical processes in dogs during training and after flights in rockets and satellite vehicles TEXT: particular attention being devoted to those processes which are affected by stress conditions and by exposure to ionizing The dogs were first adapted to space flight conditions, in which they were exposed to vibrations of frequency 70 cycles and amplitude 0.4 mm continued for up to 12 minutes, and to

Card 1/4

CIA-RDP86-00513R001031010015-9" APPROVED FOR RELEASE: 06/20/2000

S/560/61/000/011/009/012 E027/635

Some aspects of ---

accelerations of 6-9 g continued for 5 - 12 minutes. Eighteen dogs were studied in all, of which five made space flights in 1958-59 while thirteen remained on the ground. The dogs Belka and Strelka were investigated before the flight and 2, 6, 13, 23, 25 and 32 days afterwards. One dog (Otvazhnaya) made five flights. Two rats and five mice of the C57 line were also studied after a In the dogs, determinations flight in the second satellite. were made of the fractional composition of the serum proteins, the serum mucoids, pseudocholinesterase activity, and the content of free and bound 21-hydroxy-20-kestosteroids in the urine. During the training period marked fluctuations occurred in the serum proteins, both in the animals which made space flights and in the After acceleration in the centrifuge a rise in cholinesterase activity occurred, reaching a peak after two days and then declining, and there was also a rise in the content of serum mucoids and a fall in the total prtein content of the serum. Similar, but less marked effects, were observed after exposure to A rise in serum mucoids occurred two to six days vibration.

Card 2/4

S/560/61/000/011/009/012 E027/635

Some aspects of ---

after return from a space flight, and after six days there was a rise in the total serum proteins. No definite changes were observed in cholinesterase activity. From a consideration of the results three states could be distinguished in the animals in response to training and space flights: (1) activation of functions; (2) a dystrophic condition, and (3) a reaction of stress type characterized by a reversible inhibition of functions. In investigations of the urine no particular changes were noted in the volume or the specific gravity during training or after a space flight. A decrease in the content of deoxycytidine was observed in Belka and an increase in Strelka. After exposure to vibration and acceleration an increase of deoythymidine and Dische-positive substances in the urine was observed in Otvazhnaya. One month later the levels of both had returned to normal. A fall in the Dische-positive substances to 50% of the control values was found in the urine of five mice five days after a space flight in the second satellite. It was concluded that

Card 3/4

#### "APPROVED FOR RELEASE: 06/20/2000 CIA-

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Some aspects of ---

the results indicated the occurrence of disturbances in the metabolism of deoxyribonucleic acid after a space flight, but that these disturbances were temporary and reversible. The responses of the animals resembled a stress reaction rather than radiation damage. There are 6 figures and 2 tables.

SUBMITTED: May 23, 1961

Card 4/4

33314

27. 2700

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27.1220

AUTHORS:

Arsen'eva, M. A., Antipov, V. V., Petrukhin, V. G., L'vova, T. S., Orlova, N. N., and

Il'ina, S. S.

TITLE:

Changes in the blood-forming organs of mice

under the effect of flight in a space-ship

SOURCE:

Iskusstvennyye sputniki Akademiya nauk SSSR.

Zemli. no. 10. Moscow, 1961, 82-92

A study was made of the effects of flights in a spaceship (the 2nd Sputnik) on the blood-forming organs of mice. An attempt was made to differentiate between the action of vibration, acceleration and X-rays. The experiments were carried out on 40 black C-57 (S-57) strain and white non-species mice. Their weight fluctuated between 18 - 22 g. The same group of animals was also used for the standard. All the animals returned from cosmic flight in good condition. Cytology and

Card(1/4

33314 S/560/61/000/010/012/016 D298/D302

Changes in the ...

histology methods for investigating the brain and spleen were used. The peripheral blood and the morphology of the bone marrow were studied. Experiments showed that there is a statistically valid frequency increase of mitosis destruction in the bone marrow cells of the experimental animals compared to the controls. Obtained data on chromosome destruction of mitosis in the cells of the bone marrow in mice having been in cosmic flight showed that these differed from the results obtained in X-radiation. Two main differences were noted: (1) in cosmic flight, the frequency of chromosome destruction did not drop prior to the end of the experiment; (2) there was almost complete absence of fragmentation in chromosome changes. The morphology studies of the bone marrow showed that in mice isolated for 30 days after returning to earth a sharp rejuvination of the myelopoesis was noted, expressed through an increased number of myeloblasts, promyelocytes, myelocytes. Analysis of the peripheral blood showed no noticeable deviations from the

Card 2/4

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Changes in the ...

controls. The hystology tests indicated that in the spleen of mice isolated for three days after the experiment the number of megacariocytes drops. Further analysis of the cytology and histology data revealed that certain changes were noted in the blood-forming organs of the mice after cosmic flight. It is assumed, however, that these changes occurred due to several factors in addition to cosmic radiation. Special tests to differentiate the effects of the various factors showed that cosmic flight caused changes in the blood-forming organs due to mechanical factors as well as primarily vibration. Listed data indicate that vibration is one of the main causes of bone marrow and spleen changes. The biological effectiveness of cosmic radiation and other flight factors is said to be still unknown, requiring further studies of cosmic radiation effects over long periods of time on biological specimens. There 6 figures, 5 tables and 4 references: 1 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as

Card 3/4

7

33314 S/560/61/000/010/012/016 D298/D302

Changes in the ...

follows: F. Devik, Brit. J. Radiol., 27, 463, 1954; C. D. Darlington, L. F. La Cour, J. Heredity, Suppl. 6, 1952.

SUBMITTED:

May 3, 1961

Card 4/4

KAS'YAN, I.I.; YUGANOV, Ye.M.; L'VOVA, T.S.

Changes in some morphological and biochemical indices of the peripheral biod of animals after a rocket flight. Probl.kosm. (MIRA 15:12) tol. 1:161-165 '62. (MIRA 15:12) (SPACE FLIGHT—PHYSIOLOGICAL EFFECT) (BLOOD—ANALYSIS AND CHEMISTRY)

ARSEN'YEVA, M.A.; ANTIPOV, V.V.; PETRUKHIN, V.G.; L'VOVA, T.S.; ORLOVA, N.N.; IL'INA, S.S.

Effect of the flight in the second spaceship on changes in the hemopoietic organs of mammals. Probl.kosm.biol. 1:205-218 '62. (MIRA 15:12)

(SPACE FLIGHT—PHYSIOLOGICAL EFFECT)
(HEMOPOIETIC SYSTEM)

S/865/62/002/000/012/042 D405/D301

.WTHORS:

Arsen'yeva, M.A., Antipov, V.V., Petrukhin, V.G., L'vova, T.S., Orlova, N.N., Il'ina, S.S., Kabanova,

L.A., and Kalyayeva, E.S.

TITLE:

SOURCE:

Cytologic and histologic changes in blood-forming organs of mice under the effect of space flight conditions

Problemy kosmicheskoy biologii. v. 2. Ed. by N. Sisakyan and V. Yazdovskiy. Moscow, Izd-vo AN SSSR, 1962,

116-127-

TENT: In the investigations, an attempt was made at differentiating between the effects of dynamic factors of flight such as vibration, acceleration and weightlessness. The experiments were conducted on males of black-linear (C<sup>57</sup>) mice, and on white mice. A cytological analysis of the bone marrow cells revealed a disturbance of mitosis under the effect of space flight. It was found that the majority of chromosome abberations appeared not as a result

Card 1/3

S/865/62/002/000/012/042 D405/D301

Cytologic and histologic ...

of chromosome disruption, but through sticking together with possible subsequent anomalous separation. Morphological studies of the bone marrow showed, after 30 days, an increase in the number of myeloblasts, promyelocytes and myelocytes. Histologic investigations of the spleen of the mice showed, during the first days of the experiment, a decrease in the number of follicules and megacaryiocytes; towards the 30th day the number of the latter increased again and on the 60th day the blood formation was renewed. Special experiments were conducted in order to ascertain the specific effects of vibration, acceleration and weightlessness. It was found that Serotonin, introduced intraperitoneally into the mice 10 minutes before the experiment, was an effective means of protection against vibration damage of cells. Conclusions: Space flight caused disturbances in the bone marrow and spleen of mice that were recorded two days after the flight and lasted for a month. Both vibration and weightlessness experiments produced such alterations as chromosome fusion. Acceleration in a state of weightlessness can lead to a disruption in the spindle apparatus of the cell. It is evident that the effects of space flight on the cell constitute a complex problem, involving

-Jytologi	c and histol	ogic	S/865/62/00: D405/D301	2/000/012/042	
is altog	tors. Howev ether undete gures and 3	rmined as yet,	cal action of cost requiring further	ic radiation studies. There	
			현실 10년 1일 전 10년 12년 12년 12년 12년 12년 12년 12년 12년 12년 12		
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Card 3/3					

s/865/62/001/000/005/033 E028/E185

AUTHORS: Kas'yan, I.I., Yuganov, Ye.M., and L'vova, T.S.

TITLE: Changes in certain merphological and biochemical indices of the peripheral blood of animals after

rocket flights

SOURCE: Problemy kosmicheskoy biologii. v.l. Ed. by

N.M. Sisakyan. Moscow, Izd-vo AN SSSR, 1962. 161-165

TEXT: Determinations of blood count and blood biochemistry were carried out on 12 dogs which had undergone 2 to 5 space flights. Blood samples were taken on the eve of flight, 1.5 to 2.5 hours after landing, and also at later stages; 42 investigations were carried out in all. After the flight an increase in white cell count by 1800 - 11050 cells per mm<sup>3</sup> was noted, due mainly to an increase in neutrophils with a shift to the left of up to 30% of unsegmented forms. These changes were ascribed to a redistribution of cells from depôt organs under the influence of mechanical forces, although a stress reaction may also have been concerned. No changes were noted in the red cell count, but after space flight there was a reduction in clotting time, with Card 1/2

Changes in certain morphological... 5/865/62/001/000/005/033 E028/E185

an increase in calcium and prothrombia and a slight rise in the platelet count. There are 3 tables.

Card 2/2

#### S/865/62/001/000/010/033 E028/E185

AUTHORS:

Arsen'yeva, M.A., Antipov, V.V., Petrukhin, V.G.,

L'vova, T.S., Orlova, N.N., and Il'ina, S.S.

TITLE:

Changes in the haemopoietic organs of mammals under

the influence of space flight

SOURCE:

Problemy kosmicheskoy biologii. v.l. Ed. by

N.M. Sisakyan. Moscow, Izd-vo AN SSSR, 1962. 205-218

TEXT: In a study of the effect of cosmic radiation upon the haemopoietic system 40 mice of the C57 strain which had been on a space flight were killed at intervals up to 60 days after return and cytological preparations were made of the peripheral blood, spleen and bone marrow. Abnormalities of mitosis in the form of bridges and adhesions were observed in 7.12 - 10.78% of cells in anaphase and telophase, compared with 1.96 - 3.8% of abnormalities in preparations from control animals, and no decline in the proportion of affected cells had occurred by the end of the observation period. The findings differed in this respect from the effects of X-irradiation, where the proportion of chromosome

Card 1/2

Changes in the haemopoietic organs... \$/865/62/001/000/010/033

abnormalities declines steadily and the usual finding is fragmentation of the chromosomes. No abnormalities were noted in preparations of the peripheral blood. Preparations of the spleen showed a decline in megakaryocytes after 3 days and shrinkage of follicles after 9 days, followed later by enlargement and the appearance of atypical cells. The chromosome abnormalities described could be largely duplicated by exposure of normal mice to vibration, which was probably of greater importance than cosmic radiation as a cause of abnormalities in animals undergoing space flights.

There are 6 figures and 5 tables.

Card 2/2

ARSEN'YEVA, M.A.; ANTIPOV, V.V.; FETRUKHIN, V.G.; L'IVOVA, T.S.;
ORLCVA, N.N.; IL'INA, S.S.; KARANOVA, L.A.; KALYATEVA, E.S.

Effect of space flight in spaceships on the cytological and histological changes in the hemopoietic organs of mice.
Probl.kosm.biol. 2:116-127 '62.

(SPACE FLIGHT—PHYSIOLOGICAL EFFECT)

(HEMOPOIETIC SYSTEM)

RAZGOVOROV, B.L.; MOROZOV, V.S.; SHASHKOV, V.S.; ANTIPOV, V.V.; DOEROV, N.N.; KONNOVA, N.I.; L'VOVA, T.S.; SAKSONOV, P.P.

Effect of screening of separate parts of the animal body on the change in radiation reaction following action of gamma rays and high-energy protons. Probl. kosm. biol. 4:411-429 '65. (MIRA 18:9)

#### "APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001031010015-9

L 14291-66 EWT(m)/ETC(F)/EPF(n)-2/EWG(m) GG/RD SOURCE CODE: UR/2865/55/004/000/0411/0429

AUTHOR: Razgovorov, B. L.; Morozov, V. S.; Shashkov, V. S.; Antipov, V. V.;

Dobrov, N. N.; Konnova, N. I.; L'voya, T. S.; Saksonov, P. P.

ORG: none

TITLE: Effect of screening individual parts of the body of animals on changes in radiation reaction on exposure to gamma rays and high-energy protons

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy kosmicheskoy biologii, v. 4, 1965, 411-429

TOPIC TAGS: radiation shielding, RBE, rat, animal physiology, gamma irradiation, cobalt, radioisotope, proton, irradiation, radiation biologic effect

ABSTRACT: Previous experiments showed that screening of individual organs or parts of the body during large doses of x-rays or gamma rays can change both the degree of radiation sickness and the number of deaths. In this work experiments were conducted to determine the effect of screening during irradiation of animals with gamma rays and 120-Mev protons.

White rats of both sexes were used. Co<sup>60</sup> gamma irradiation with dose power of 15.5 r/min was used. Proton irradiation was conducted through Card 1/4

L 14291-66 ACC NR: AT6003875

lead-shielded polyethylene blocks to lower the dose (dose power 60 ± 10 rad/min). During gamma irradiation, parts of the body were screened with steel plates (15 cm thick) of different widths. Plexiglas blocks 12—15 cm thick, which almost completely blocked the proton flux from the screened part, served as shields during proton irradiation. The biological effect of radiation under these conditions was determined by the survival rate of animals during a 30-day period after irradiation. Localized shielding during gamma irradiation of rats in a dose of 930 rad produced a definite increase in the survival rate, which was most effective during screening of the abdomen (80% survival rate as compared with 6% in the control). It was concluded that screening of the abdomen lowers the mortality index to the greatest degree and also is most effective in easing the course of radiation sickness and lessening the degree of leukopenia.

In a second series of experiments, the abdomens of rats were shielded with plexiglas blocks of different widths during irradiation with protons in the following dose ranges: 800—1050 rad and 1100—1300 rad, and with gamma rays in doses of 930, 1100, and 1400 rad. It was found that screening the abdomen with a block 6 cm wide during proton irradiation with

Card 2/4

L 14291-66

ACC NR: AT6003875

800—1050 rad increased the survival rate to 86.4% (as compared with 19.4% in the control). A high survival rate (96.7—100%) was also observed when the abdomen was screened with blocks of various widths during gamma Irradiation (930 rad). Screening of the abdomen during proton irradiation also prevented the development of severe gastrointestinal disease in many cases and caused rats to lose less weight. Experimental animals recovered weight more quickly and even exceeded initial weight levels. Weight changes during gamma irradiation followed the same pattern.

Preliminary experiments were also conducted to show the effect of screening under the combined influence of protons and acceleration or vibration. Results showed that neither 30 min of acceleration (10g) nor 1 hr of vibration (700 cps, amplitude 0,005 min) altered the effectiveness of screening during proton irradiation (doses 750—1100 rad and 1050—1300 rad, respectively). Furthermore, it was found that the effectiveness of screening the abdomen increases with increased radiation dose. There is not yet any adequate explanation of the screening effect although it may be connected with retention by the organism of undamaged tissue sections.

Card 3/4

Orig. art. has: 5 figures and 4 tables. [ATD PRESS: 4091-F]							
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28hl3-66 ENT(1)/ENT(m) ACC NR: AP6015412 UR/0216/66/000/003/0355/0361 SOURCE CODE: AUTHOR: L'vova, T. S. ORG: none TITLE: Synergistic effect of ionizing radiation and vibration on an animal organism AN SSSR. Izvestiya. Seriya biologicheskaya, no. 3, 1966, SOURCE: 355-361 TOPIC TAGS: biologic vibration effect, radiation biologic effect, radiation injury, synergy, animal physiology ABSTRACT: The effect of vibration on radiation injuries was investigated in experiments on 1424 male white mice weighing 18 to 25 g. Groups of animals were exposed to 1 hr of vibration (70 and 700 cps) at periods of 4 hrs, 24 hrs, or 5 days before or after irradiation.

Animals were irradiated with: 1) a single 600 r x-irradiation dose; 2) a single 450 r gamma-irradiation dose; or, 3) a single 1300 rad proton irradiation dose. Indexes included mortality rates, mean survival periods, and weight changes during a 30 day observation period. With vibration of 70 cps 4 hrs or 24 hrs prior to irradiation, the Card 1/2

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<b>в</b> 28443-66		* * <u>*</u> *
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montelity ne	e was reduced by 10% to 20% and the mean	survival period was
increased by	10% to 40% compared to control animals (	irradiated only);
with exposure	to vibration of 70 cps 5 days prior to was increased and the survival period	o irradiation, the
Exposure to	ribration (70cps) h hrs. 2h hrs. and 5 da	ys following
irradiation	reduced the mortality rate by 15% to 38%.	Vibration of 700
irradiation	hrs, and 5 days prior to irradistion a lid not affect the course of radiation i	niuries. but
vibration (7	00 cps) applied 5 days after irradiation	intensified
radiation si	kmess. The effects of vibration and ot injuries require further investigation.	Origa arta has:
5 tables.	Hillian i dan i dan ing ing ing ing ing ing ing ing ing in	[06]
SUB CODE: 0	SUBM DATE: 01Sep65/ ORIG REF: 018	/ OTH REF: 002/
ATD PRESS:500	5-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
	해야 사람들 불빛이 하고 하는데 얼마를 받아 다니다.	
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#### "APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001031010015-9

ACL NR. A16036645

SOURCE CODE: UR/0000/66/000/000/0268/0269

AUTHOR: L'vova, T. S.

ORG: none

TITLE: Effect of vibration on the course and outcome of radiation sickness in animals (Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24-27 May 1966)

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicino); materialy konferentsii, Moscow, 1966. 268-269

TOPIC TAGS: combined stress, ionizing radiation biologic effect, biologic vibration effect, hematology, rodent, dog, space physiology

#### ABSTRACT:

The purpose of the present experiment was to study the effects of vibration on the course of radiation injury in mice and dogs. An attempt was made to establish the influence of frequency of vibration, the irradiation dose, and the time between exposures. Experiments were performed on 1424 nonpedigreed white male mice weighing 18--25 g and on 20 male mongrel dogs. The animals were exposed to vibration either once or four times (with 24-hr intervals), both before and after irradiation. The intervals between exposures were 2 or-4 hr and 1 or 5 days. Animals were exposed to vibra-

ACC NR: AT6036645

tion of 70 cps at 0.4 mm or of 700 cps at 0.005 mm, in such a way that in each case the acceleration stress amounted to 10 G. X-rays, gamma rays, or high-energy protons were used for irradiation.

The effects of vibration on the course of irradiation injury were evaluated on the basis of mortality, the average duration of life of animals which died, changes in body weight, and also on the basis of certain hematological indices. The observation period was 30 days.

Experiments with mice indicated that a preliminary exposure to vibration (70 cps) four hr and one day prior to irradiation lowers the mortality rate by 10--20% and increases the average life span of those animals which died by 10--40%, as compared to mice which had been exposed only to irradiation. On the other hand, it was found that if exposure to vibration takes place five days prior to irradiation, it has an effect of increasing the mortality and decreasing the average duration of life of animals which die.

When animals were exposed to vibration 4 hr, 24 hr, and five days after irradiation, mortality diminished by 15--38% and the average life span of animals which died increased.

Card 2/3

# ACC NR. AT6036645

If preliminary exposure to vibration of 700 cps was one hr prior to irradiation, it did not cause any noticeable modification of the course and outcome of radiation injury. If 700-cps vibration was applied one day after exposure to irradiation, it had no noticeable effect and if it was applied five days later it increased the effects of radiation injury.

Hematological investigations of dogs which had been irradiated 2 hr or 24 hr after vibration [presumably at 70 cps] showed that the number of leukocytes and erythrocytes was higher than in control animals. However, no stable or marked shifts were observed in the leukocyte formula.

The data obtained indicate the necessity of further study of changes which arise as a result of the effects of vibration and ionizing radiation in various combinations. Most interesting are studies of repeated effects of vibration on the course and outcome of radiation injury.

[W. A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

**Card 3/3** 

NADDACHINA, T.A.; L'VOVA, T.N. (Moskva)

Bilateral symmetrical cortical necrosis of the kidneys. Arkh. pat. 26 no.8:34-42 '64 (MIRA 18:2)

1. Kafedra patologicheskoy anatomii (zav. - prof. A.V. Snol'yannikov) TSentral'nogo instituta usovershenstvovaniya vrachey i patologoanatomicheskoye otdeleniye (zav. V.P.Kesareva) Klinicheskoy bol'nitsy imeni S.P. Botkina (glavnyy vrach Yu.G. Antonov), Moskva.

L'VOVA, T.V.

Structure of the Trigur'ya pluton of quartz monzonites and granodiorites. Zap. Ukr. otd. Min. ob-va [no.1]:146-149 [62. (MIRA 16:8)

1. Kiyevskiy gosudarstvennyy universitet, kafedra poleznykh iskepayemykh.

BARTOSHEVUNIN, V.F. [Secretaria]; Rull-KOVERIN, V.K.; LIVOVA, T.V.; HIATONOV, F.N.

Discretarial and petrological the environies and accessory mineralization of some plotter in mithern Kazakhatan.

Short-nauch.rab.Klev.un. nc.1213-25 163. (MFRt 18:11)

#### "APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001031010015-9

5.2400(A)

68925

sov/81-60-1-644

Translation from: Referativnyy zhurnal. Khimiya, 1960, Nr 1, p 91 (USSR)

AUTHORS:

Markovskiy, L.Ya., L.vova, V.I., Kondrashev, Yu.D.

TITLE:

On the Production of Elemental Boron in an Electric Glow Discharge

PERIODICAL:

V sb.: Tr. Konferentsii po khimii bora i yego soyedineniy. Moscow,

Goskhimizdat, 1958, pp 36 - 45

ABSTRACT:

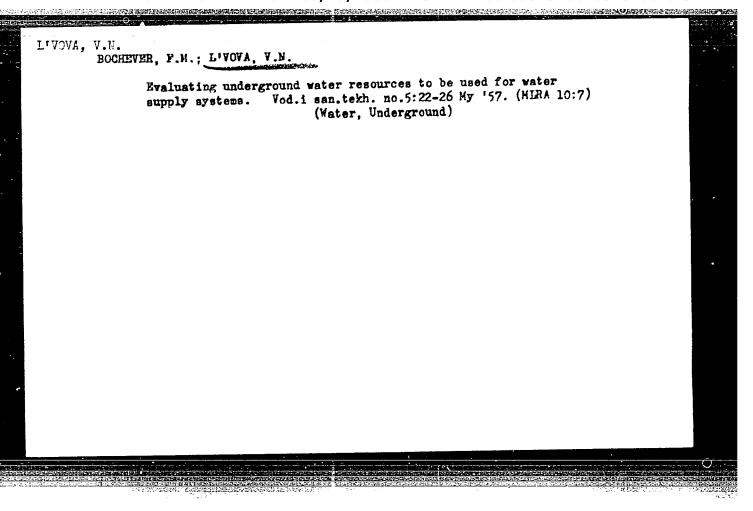
It is expedient to carry out the process of BCl<sub>3</sub> reduction by hydrogen in an electrical glow discharge at a pressure of 30 - 200 mm Hg. The formation of elemental boron in the highly-dispersed state as well as in the form of a growth on the electrodes depends on the kinetic and electrical conditions of the process. The laboratory production of highly-dispersed boron in the glow discharge with a purity of up to 99.9% with a yield of up to 50% from BCl<sub>3</sub> is possible at a single passing of the gas mixture through the discharge. According to the data of comparative roentgenographic investigations of elemental boron obtained by various methods, electrodischarge boron is the purest and the most typical sample of microcrystalline boron.

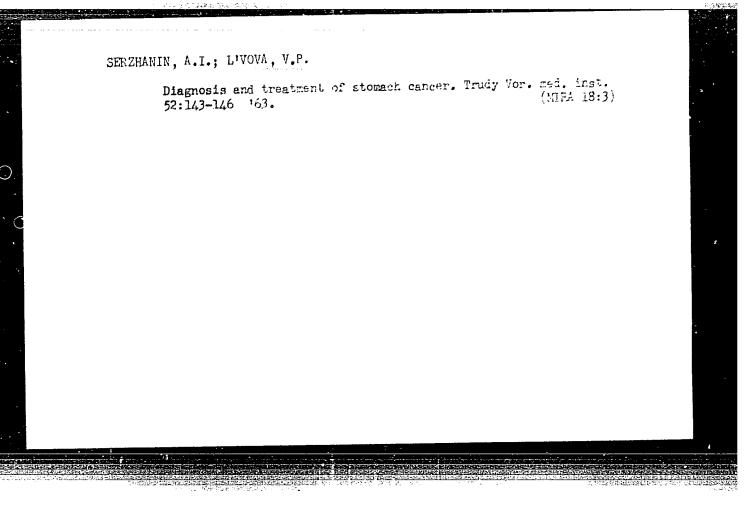
Card 1/1

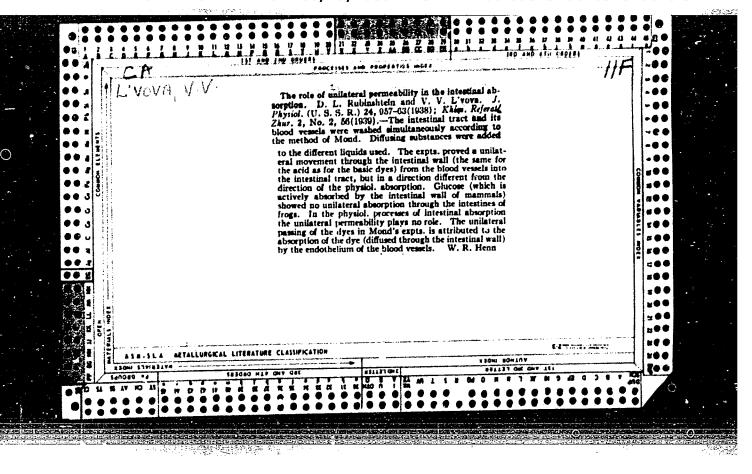
Authors' summary

APPROVED FOR RELEASE: 06/20/2000

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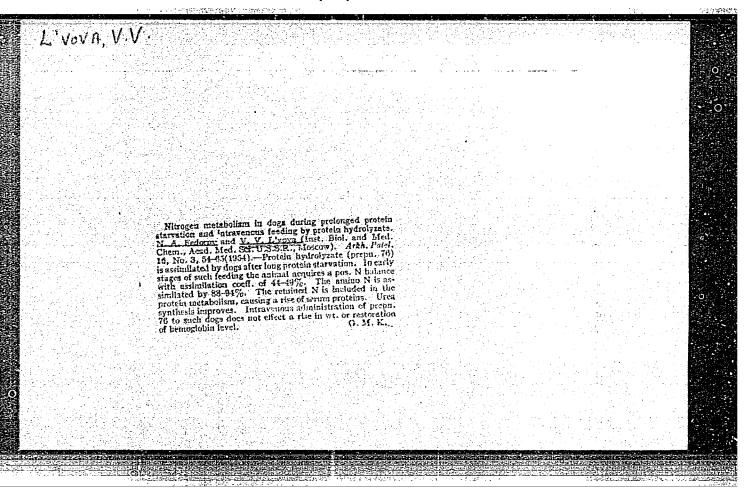


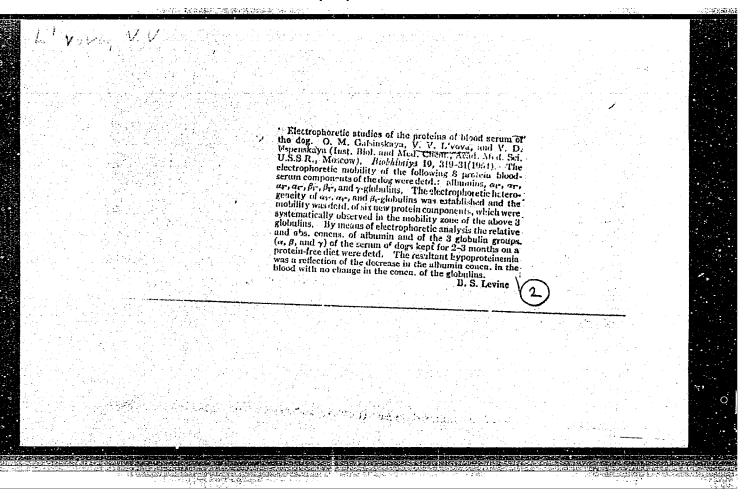


L'VOVA, V. V.

1'VOVA, V. V. - "Investigation of the Mechansim of Intestional Absorption." Sub 1h Oct 52, Acad Med Sci USSR. (Dissertation for the Degree of Candidate in Biological Sciences).

SO: Vechernaya Moskva January-December 1952





L'VOVA, V.Y. (Moskva); GURVICH, A.Ye. (Moskva); RODINOV, V.M. (Moskva); FEDOROV, N.A. (Moskva); KHODOROV, B.I. (Moskva)

Nitrogen balance and regeneration of serum proteins in dogs exposed to a prolonged low-protein diet with intravenous administration of heterologous proteins. Arkh.pat.18 no.6:99-109 \$56. (MIRA 9:12)

Iz laboratorii normal'noy i patologicheskoy fiziologii (zav. - prof. N.A.Fedorov) Instituta biologicheskoy i meditsinskoy khimii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. V.N.Orekhovich)

(BLOOD PROTEINS, eff. of intravenous admin. of heterologous blood proteins without anaphylactogenic factors in low protein diet in animals (Rus))

(PIASMA SUBSTITUTES, effects, serum proteins without anaphylactogenic factors on blood proteins & nitrogen balance in animals after prologned low protein diet (Rus))

L'VOVA, V.V.; FEDOROV, N.A.

Role of vitamin B<sub>12</sub> in increasing the effectiveness of parenteral feeding with protein hydrolysate in case of surgical traumas. Vit. res. 1 ikh.isp. no.5:261-268 '61. (MIRA 15:1)

1. TSentral'nyy ordena institut gematologii i perelivaniya krovi, Moskva. (CYANOCOBALAMINE) (PROTEIN METABOLISM)

(OPERATIONS, SURGICAL)

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L'VOVA, V.V.; FEDOROV, N.A., prof.

Role of vitamin  $B_{12}$  in increasing the effectiveness of parenteral feeding with protein hydrolysates under conditions of surgical trauma. Biul. eksp. biol. i med. 52 no.12:23-28 D '61. (MIRA 14:12)

1. Iz patofiziologicheskoy laboratorii (zav. - chlen-korrespondent AMN SSSR prof. N.A.Fedorov) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi Ministerstva, zdravookhraneniya SSSR (dir. - deystvitel'nyy chlen AMN SSSR A.A.Bagdasarov [deceased]), Moskva.

(CYANCOBALAMINE) (PROTEIN METABOLISM)
(SURGERY, OPERATIVE)

L: VOVA, V.V.; FEDOROV, N.A.

Genparative study of various forms of parental protein feeding

in surgical trauma in dogs. Pat. fiziol. i eksp. terap. 5 no.50 31-37 61 (MIRA 1724)

FEDOROV, N.A.; L'VOVA, V.V. (Moskva)

Effect of immunotherapy on nitrogen metabolism in thermal burns in dogs. Pat. fiziol. i eksp. terap. 6 no.4:28-34 J1-Ag '62. (MIRA 17:8)

1. Iz patofiziologicheskoy laboratorii (zav. - chlen-korrespondent AMN SSSR prof. N.A. Fedorov) TSentralinogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

L 8474-65 - 65D/AHD/F6-4/Fa-4 8/0219/64/058/007/0036/0041 ACCESSION NR: AP4048732 AUTHOR: L\*vova, V. V.; Koryakina, I. K. TITLE: Role of autointoxication in nitrogen balance alteration following thermal ourns in dogs SOURCE: Byulleten' eksperimental'noy biologii i meditsiny\*, v. 58, no. 7, 1964. 36-41 POPIC TAGS: blood serum, burn, nitrogen balance, intoxication, trauma, immune serum, protein metabolism ABSTRACT: The article discusses a parallel study of the alterations in nitrogen balance and blood serum toxicity in dogs with thermal trauma treated with the series of burn convelescents and in dogs with repeated burns. Test dogs were maintained on a full-valued protein-free diet for 7-10 days until the nitrogen balance was established at a determined level, after which ten per cent surface burns were inflicted by one-minute exposure to a flame. The nitrogen balance was observed 5-6 days prior to burn infliction, on the day Card 11/3

L 8474-65 ACCESSION NR: AP4048732

of burn infliction, for 7-10 days after burn infliction, upon administration of immune and normal blood serum, and also upon repeated burn infliction withbut treatment. Blood serum was analyzed by the hemoculture method. Two burned logs were given immune serum intravenously in daily doses of ten milliliters per kilogram for six days. The immune serum was obtained from dogs 2-3 months Following thermal trauma, and was enriched with glucose and vitamins. Serum / activity was tested by the hemoculture method, and serum with an antitoxin titre of 1:16, 1:32 and higher was selected for use. Control animals were subjected to similar conditions, the only variable being that they were given control serum obtained from unburned dogs and enriched in the same manner with glucose and vitamins. Each dog received 0.1-0.09 grams of nitrogen per kilogram daily. The results indicated that the test serum neutralized the blood serum toxicity in burned animals, with a parallel reduction of protein disintegration is contrast to the preburn index, while the control serum failed to eliminate the toxemia induced by Surn trauma and the nitrogen balance exceeded the preburn index by 30-60 percent. Upon inflicting a repeated burn 3 months following the primary burn, no blood serum toxicity was noted, and the protein disintegration index was about 50 percent lower than the primary burn index. The authors conclude that repeated burns exert an influence on

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	the intensity of tissue protein effect produced by the admini	disintegration, which is identical to the stration of immune serum.
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LIVOVA, Ye.A.

Some results of measures for improving public health in the country; from the experience of the Pogoreloye District Hospital in Kalinin Province. Zdrav. Ros. Feder. 4 no.3:10-13 Mr 160. (MIRA 13:5) (POGORELOYE DISTRICT (KALININ PROVINCE)--PUBLIC HEALTH, RURAL)

GOLANT, Shaya Nakhimovich, kand. tekhn. nauk; L'VOVA, Yevgeniya Dmitriyevna, inzh.; AMMOSOV, N.G., red.; FREGER, D.P., red.izd-va; GVIRTS, V.L., tekhn. red.

[Increasing the durability of the finish (plastering and painting) of interior rooms by means of waterproofing] Povyshenie dolgovechnosti otdelki (shtukaturki i okraski) vmutrennikh pomeshchenii sposobom gidrofobizatsii. Leningrad, 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitelinye materialy i konstruktsii, no.5) (MIRA 17:1)

GOLANT, Sh.N., kand. tekhn. nauk; L'VOVA, Ye.D.

[Using water-resistant materials in indoor repair work] Primenenie gidrofobizuiushchikh veshchestv pri vnutrennikh remontnykh rabotakh; rekomendatsii. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1963. 13 p. (MIRA 17:9)

l. Akademiya kommunal'nogo khozyaystva. Leningradskiy nauchno-issledovatel'skiy institut.

DEMICHEV, I.P., kand.meditsinskikh nauk; L'VOVA, Ye.I. studentka (Leningrad)

Treatment of cracked nipples by dosages of congestive hyperemia a and synthomycin cintment. Fel'd. i akush. 25 no. 7:22-26 Je '60. (MIRA 13:8)

(HYPEREMIA, ARTIFICIAL) (CHLOROMYCETIN) (BREASTS-DISEASES)

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Extended observation of children with a history of tuberculous meningitis. Pediat. akush. ginek. no.3:21-24 '63 (MIRA 17:1)

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